

ABRIDGEMENT

A swinging pinion on the side of an upper swing structure is meshed with a ring gear which is provided on and around the inner periphery of an inner ring on the side of a vehicular base carrier. A grease bath is provided on the inner side of the inner ring and under a swing frame. A center joint is located in an opening which is provided in the swing frame at the center of swinging motions of the upper swing structure. The grease bath is formed by bath-forming walls around an central top plateau wall which is connected the center joint on the inner peripheral side. An annular seal member of resilient material is interposed between the top plateau wall of the grease bath and the lower side of the swing frame. The annular seal member is formed in a height which is larger than the width of spacing between the top plateau wall and the swing frame. At one side, the seal member is detachably fixed either on the side of the swing frame or on the side of the top plateau wall section. At the other side, the seal member is provided with an annular sliding portion which is held in sliding contact with the other one of the swing frame and the top plateau wall in an inclined posture in a radially inward direction.

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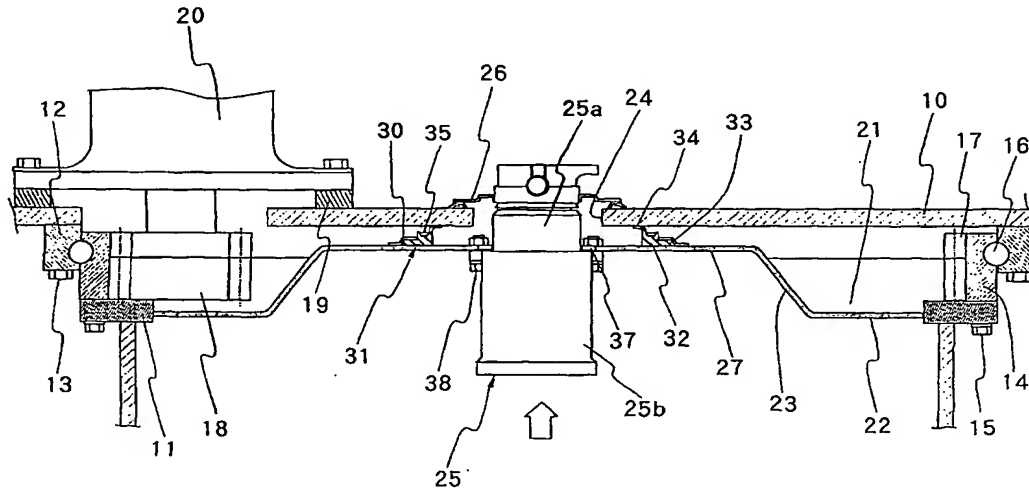
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(54) Title: ROTATING APPARATUS FOR CONSTRUCTION MACHINE

(54) 発明の名称: 建設機械の旋回装置



(57) **Abstract:** In a rotating apparatus, a ring gear with which a rotating pinion provided on an upper rotation body meshes is provided on the inner periphery of an inner ring on the lower traveling body side. A grease bath is formed in the inner side of the inner ring. A center joint is installed in an opening formed at the position of rotation center of the upper rotation body. The center joint is connected to a connection wall extended from a bath forming wall of the grease bath. A sealing member for sealing the grease bath is provided at a position between the upper face of the connection wall and the lower face of a frame of the upper rotation body, and the position is more toward the outer periphery side than the installation portion of the center joint. The sealing member is a circular elastic member and has a height dimension larger than the space between the connection wall and the frame. The sealing member is removably fixed to one contact portion on either the frame or the connection wall with which portion the sealing member is in contact. The other contact portion is made to be a circular sliding portion, which is projected toward the radially inside.

(57) 要約: 下部走行体側の内輪の内周面に上部旋回体に設けた旋回ピニオンが噛合するリングギアが設けられ、内輪の内側にグリースバスが形成されており、かつ上部旋回体の旋回中心位置に形成した開口内にセンタジョイントを装着し、このセンタジョイントをグリースバスのバス形成壁から延在させた連結壁に連結し、この

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